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| APPLICATION NUMBER | FILING OR 371 (c) DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|------------------------|-----------------------|------------------------|
| 10/817,441         | 04/02/2004             | Osamu Miyazawa        | 9319A-000753           |

27572  
 HARNESS, DICKEY & PIERCE, P.L.C.  
 P.O. BOX 828  
 BLOOMFIELD HILLS, MI 48303



CONFIRMATION NO. 1655

## FORMALITIES LETTER



\*OC00000013001737\*

Date Mailed: 06/21/2004

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

08/20/2004 LWONDIM1 00000018 503213 10817441

FILED UNDER 37 CFR 1.53(b)

01 FC:1001 770.00 DA  
 02 FC:1051 130.00 DA  
 03 FC:1201 86.00 DA

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 770 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The applicant needs to satisfy supplemental fees problems indicated below:

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of \$86 as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is \$986 for a Large Entity

- \$770 Statutory basic filing fee.
- \$130 Late oath or declaration Surcharge.




- Total additional claim fee(s) for this application is \$86

- \$86 for 1 independent claims over 3.

Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

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*A copy of this notice **MUST** be returned with the reply.*

    
Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



PTO/SB/21 (04-04)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

|   |                        |                |
|---|------------------------|----------------|
| <b>TRANSMITTAL<br/>FORM</b><br>(to be used for all correspondence after initial filing) | Application Number     | 10/817,441     |
|   | Filing Date            | April 2, 2004  |
|   | First Named Inventor   | Osamu Miyazawa |
|   | Art Unit               | 2834           |
|   | Examiner Name          | To be assigned |
| Total Number of Pages in This Submission  | Attorney Docket Number | 9319A-000753   |

**ENCLOSURES (check all that apply)**

|   |  |   |
|---|--|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input checked="" type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment / Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input checked="" type="checkbox"/> Response to Missing Parts/<br>Incomplete Application<br><input checked="" type="checkbox"/> Response to Missing<br>Parts under 37 CFR<br>1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a<br>Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication to<br>Technology Center (TC)<br><input type="checkbox"/> Appeal Communication to Board of<br>Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC<br>(Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s)<br>(please identify below):<br><b>copy of Notice to File Missing<br/>Parts; executed Declaration/<br/>Power of Attorney; and postcard</b> |
| <b>Remarks</b>  |  |   |

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

|                               |                                  |                                      |                    |
|-------------------------------|----------------------------------|--------------------------------------|--------------------|
| Firm<br>or<br>Individual name | Harness, Dickey & Pierce, P.L.C. | Attorney Name<br>G. Gregory Schivley | Reg. No.<br>27,382 |
| Signature                     |                                  |                                      |                    |
| Date                          | August 18, 2004                  |                                      |                    |

**CERTIFICATE OF TRANSMISSION/MAILING**

|   |                     |                           |                   |
|---|---------------------|---------------------------|-------------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. |                     |                           |                   |
| Typed or printed name   | G. Gregory Schivley | Express Mail<br>Label No. | EV 533 145 562 US |
| Signature   |                     | Date                      | August 18, 2004   |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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EV 533 145 562 US

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**FEE TRANSMITTAL  
for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 986**Complete if Known**

|                      |                |
|----------------------|----------------|
| Application Number   | 10/817,441     |
| Filing Date          | April 2, 2004  |
| First Named Inventor | Osamu Miyazawa |
| Examiner Name        | To be assigned |
| Art Unit             | 2834           |
| Attorney Docket No.  | 9319A-000753   |

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit card ☐ Money ☐ Other ☐ None  
Order☒ Deposit Account:Deposit  
Account  
Number

50-3213

Deposit  
Account  
Name

Epson R&amp;D

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee  
to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity |          | Small Entity |          | Fee Description        | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |                        |          |
| 1001         | 770      | 2001         | 385      | Utility filing fee     | 770      |
| 1002         | 340      | 2002         | 170      | Design filing fee      |          |
| 1003         | 530      | 2003         | 265      | Plant filing fee       |          |
| 1004         | 770      | 2004         | 385      | Reissue filing fee     |          |
| 1005         | 160      | 2005         | 80       | Provisional filing fee |          |

**SUBTOTAL (1)**

(\$ 770)

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

|                    | Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|--------------|----------------|----------|
| Total Claims       | 20           | -20 ** = 0   | X 18           | = 0      |
| Independent Claims | 4            | -3 ** = 1    | X 86           | = 86     |
| Multiple Dependent |              |              | X              | = 0      |

| Large Entity |          | Small Entity |          | Fee Description  |
|--------------|----------|--------------|----------|--|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |
| 1202         | 18       | 2202         | 9        | Claims in excess of 20                                     |
| 1201         | 86       | 2201         | 43       | Independent claims in excess of 3                          |
| 1203         | 290      | 2203         | 145      | Multiple dependent claim, if not paid                      |
| 1204         | 86       | 2204         | 43       | ** Reissue independent claims over original patent         |
| 1205         | 18       | 2205         | 9        | ** Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2)**

(\$ 86)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity |          | Small Entity |          | Fee Description  | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |          |
| 1051         | 130      | 2051         | 65       | Surcharge - late filing fee or oath  | 130      |
| 1052         | 50       | 2052         | 25       | Surcharge - late provisional filing fee or cover sheet.                    |          |
| 1053         | 130      | 1053         | 130      | Non-English specification  |          |
| 1812         | 2,520    | 1812         | 2,520    | For filing a request for reexamination                                     |          |
| 1804         | 920*     | 1804         | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805         | 1,840*   | 1805         | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251         | 110      | 2251         | 55       | Extension for reply within first month                                     |          |
| 1252         | 420      | 2252         | 210      | Extension for reply within second month                                    |          |
| 1253         | 950      | 2253         | 475      | Extension for reply within third month                                     |          |
| 1254         | 1,480    | 2254         | 740      | Extension for reply within fourth month                                    |          |
| 1255         | 2,010    | 2255         | 1,005    | Extension for reply within fifth month                                     |          |
| 1401         | 330      | 2401         | 165      | Notice of Appeal   |          |
| 1402         | 330      | 2402         | 165      | Filing a brief in support of an appeal                                     |          |
| 1403         | 290      | 2403         | 145      | Request for oral hearing   |          |
| 1451         | 1,510    | 1451         | 1,510    | Petition to institute a public use proceeding                              |          |
| 1452         | 110      | 2452         | 55       | Petition to revive - unavoidable   |          |
| 1453         | 1,330    | 2453         | 665      | Petition to revive - unintentional   |          |
| 1501         | 1,330    | 2501         | 665      | Utility issue fee (or reissue)   |          |
| 1502         | 480      | 2502         | 240      | Design issue fee   |          |
| 1503         | 640      | 2503         | 320      | Plant issue fee  |          |
| 1460         | 130      | 1460         | 130      | Petitions to the Commissioner  |          |
| 1807         | 50       | 1807         | 50       | Processing fee under 37 CFR 1.17 (q)                                       |          |
| 1806         | 180      | 1806         | 180      | Submission of Information Disclosure Stmt                                  |          |
| 8021         | 40       | 8021         | 40       | Recording each patent assignment per property (times number of properties) |          |
| 1809         | 770      | 2809         | 385      | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 1810         | 770      | 2810         | 385      | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 1801         | 770      | 2801         | 385      | Request for Continued Examination (RCE)                                    |          |
| 1802         | 900      | 1802         | 900      | Request for expedited examination of a design application                  |          |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$ 130)**SUBMITTED BY**

Complete (if applicable)

|                   |                     |                                   |                 |           |              |
|-------------------|---------------------|-----------------------------------|-----------------|-----------|--------------|
| Name (Print/Type) | G. Gregory Schivley | Registration No. (Attorney/Agent) | 27,282          | Telephone | 248-641-1600 |
| Signature         |                     | Date                              | August 18, 2004 |           |              |

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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